

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II

DATE: **AUG 6 1986**

SUBJECT: PCB Inspection: New York Institute of Technology
268 Wheatley Road, Old Westbury, NY 11568

FROM: *MBious* Michael Biours, Chemist *Donald Duane* Donald Duane, Ch.E. *A. Brenna* Anthony Brenna, C.I.
Toxic Substances Section Toxic Substances Section AARP

TO: Daniel J. Kraft, Chief
Toxic Substances Section

On July 29, 1986 a TSCA PCB inspection was conducted at the facility identified above. This inspection was a consequence of a Region II neutral inspection scheme.

We arrived at the Building and Grounds office on the NYIT campus without previous notice. We met with Mr. William J. Donaldson, Director of Buildings and Grounds. Credentials were presented and written Notices of Inspection and Confidentiality were issued and explained. Mr. Donaldson read and signed both notices (attachment 1).

NYIT is a four year college with a full range of academic degrees offered, along with some graduate study programs.

At the start of the inspection Mr. Donaldson explained that transformers have been tested for PCBs at the facility, along with annual maintenance checks. He explained that a number of oil filled transformers had been disposed of recently. We reviewed the maintenance records for 1986, the disposal records, and the PCB analysis records. His records showed that there are 10 oil filled units on site, three of which are PCB contaminated. Mr. Donaldson said that NYIT does not own any large capacitors. Mr. Donaldson informed us that there had been a PCB spill approximately 5 years earlier from a transformer on site. He said it had been cleaned up and disposed of properly. He estimated the amount of the spill to be 1 or 2 liters. We asked Mr. Donaldson to photocopy and send the records we reviewed to our office as soon as possible. We issued a Receipt for Samples and Documents (attachment 2) and asked to visually inspect two or three of the transformer sites. Mr. Donaldson had a prior commitment and was not able to accompany us, so he contacted the campus electrician who escorted us to the chosen areas. We proceeded outside Simonson House where we saw a Westinghouse oil filled transformer (A77A4901P0) with a blue label certifying that the PCB concentration is below 50 ppm. No leaks were observed. We then proceeded to Shore Hall. In a basement vault numbered 804 we found two General Electric Pyranol Transformers. One transformer (P-963494) contained 165 gallons of fluid, and the other transformer (P-963493) contained 150 gallons of fluid. Both units were marked with PCB label (M_L) and were not leaking. The vault's floor was seamless concrete with six inch curbing. The entrance to the vault did not bear the PCB mark (M_L). Photographs (attachment 3) of the transformers and the entrance to the vault were taken. The two Pyranol Transformers did not appear

on any of the documents Mr. Donaldson submitted to us, nor did he have any annual documents or PCB transformer inspection records for the years preceeding 1985. In a telephone conversation on July 30, 1986, Mr. Donaldson explained that he would send any additional information concerning annual documents to our office, and that he had informed the local fire department of the location of the PCB transformers.

Attachments

1. Notices of Inspection and Confidentiality
2. Receipt for Samples and Documents
3. Photographs

New York Institute of Technology / Old Westbury, New York 11568 / (516) 686-7442

Senior Vice President
and Treasurer



September 23, 1986

Barbara Metzger
Director
Environmental Services Division
U.S. Environmental Protection Agency
Region II
Woodbridge Avenue
Edison, NJ 08837

RE: Docket No. II TSCA-PCB-86-0241

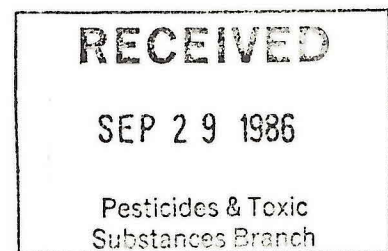
Dear Ms. Metzger:

Upon receipt of your complaint regarding the above referenced, we have referred the matter to legal counsel and will respond to you at the earliest possible time.

Sincerely,

W. R. Udry
William R. Udry
Senior Vice President
and Treasurer

cc: New York Institute of Technology:
President Matthew Schure
William Donaldson



Central Islip Campus
Metropolitan Center
Commack Center

Central Islip, N.Y. 11722
1855 Broadway, New York, New York 10023
6350 Jericho Turnpike, Commack, NY 11725

(516) 348-3000
(212) 399-8300
(516) 499-8800

NEW YORK INSTITUTE OF TECHNOLOGY
Old Westbury, N.Y. 11568
(516) 686-7545

Buildings and Grounds Department

October 15, 1986

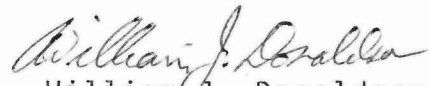
Mr. Donald Duane
U. S. Environmental Protection Agency
Region II
Toxic Substance Section
Edison, New Jersey 08837

Dear Mr. Duane:

As per my promise during your visit of July 29, 1986, to New York Institute of Technology, I have enclosed a copy of the paperwork for the PCB spill that was handled in April of 1980 by Transformer Service, Inc.

If I can be of any further help, please advise.

Yours truly,


William J. Donaldson
Director
Buildings & Grounds

WJD:rm
Enclosures

TRANSFORMER SERVICE, INC.

P. O. BOX 1077

CONCORD, NEW HAMPSHIRE 03301

INVOICE
NO.

4-9

INVOICE
DATE

April 7, 1980

SHIPPED
TO

SOLD
TO

New York Institute of Technology
Wheatly Road
Old Westbury, LI, New York
11568

OUR ORDER NO.	YOUR ORDER NO.	SALESMAN	TERMS	SHIPPED VIA	PPD. OR COLL.	
	V/Donaldson	B	Net 30 days			
QUANTITY	DESCRIPTION				PRICE	AMOUNT
	For repairs to unit No. 3					\$ 990.00
	PCB Waste Disposal:					
	Five (5) gallons of liquid					\$ 75.00
	Two (2) 5 gallon pails of solid waste					\$ 100.00
	COMPLETED 4/3/80				TOTAL	\$1,165.00
	Formal report to follow under separate cover					



April 7, 1980

Mr. W. Donaldson
New York Institute of Technology
Wheatly Road
Old Westbury, LI, New York 11568

Re: After Service Report

Dear Mr. Donaldson:

Enclosed herewith please find an up-dated transformer inspection and liquid test sheet showing the work that was recently completed at your facility.

This sheet contains the earlier test data and the present after service data. This sheet should be inserted into your folder containing the prior data as a replacement for the unit serviced.

Should you have any questions concerning this report, please do not hesitate to contact our office.

Thank you very much for giving us this opportunity to be of service.

Very truly yours,

Richard George
Operations Manager

RG/jmo
Enclosure

TRANSFORMER SERVICE, INC.
REPAIR WORK JOB ORDER SHEET

- | | |
|---|---------------------------|
| 1) Company Name: NEW YORK INSTITUTE OF TECHNOLOGY | 10) Date: APRIL 1, 1980 |
| 2) Street: WHEATLY ROAD | 11) Personnel: |
| 3) City: OLD WESTBURY, L.I. | Foreman: <i>Butcher</i> |
| 4) State: NEW YORK | Crew: <i>Harper</i> |
| 5) Person to Contact: W. DONALDSON | |
| 6) Telephone No.: 516-686-7545 | |
| 7) Purchase Order No.: V/DONALDSON | 12) Vehicles: |
| | 13) Estimated Time: |
| 8) Scheduled to begin: 4/2/80 | 14) Departure point/time: |
| 9) Job description: REPAIR FILLER PIPE AND CLEAN PCB SPILL - TEST NO. 3 | |

15) Materials

___ Portable pump	___ Fittings	___ Make-up oil/askarel
___ Portable filter	___ Generator	___ Empty drums oil/askarel
___ Filters	___ Gasket material	___ Felt
___ Hose	___ Gasket cement	___ Nitrogen/gauge & hoses
___ Naptha	___ TTR, megger	___ Power/safety test equip.
___ Staging	___ Planks	___ Ladders
___ Block & Tackle	___ Trash barrel	___ Hand pump

16) After completing job with whom did you discuss job and final results:

17) Feedback:

18) Directions:

19) Motel reservations:

TRANSFORMER SERVICE, INC.

Oil Testing Service

CUSTOMER: NY INSTITUTE OF TECHNOLOGY

CITY: OLD WESTBURY

STATE: L.I., NY

TEST NO.: 3

NAME PLATE & LOCATION DATA

Make/Rewind	G.E.	High Voltage	13200	No. Radiators	7S-18E 4'x1'x3'H	Ground	YES
Serial No.	F-963494	Low Voltage	208Y/120	No. Fans	NONE	Outside	NO
Inventory Number		Phase/Cycle	3/60	Bushings Top/Side	ENCL	Inside	YES
Impedance	8/61	Gas Headspace	SEALED	Location	27 GUILD SCHURE HALL	Platform	NO
KVA	750	Water Cooled	NO	Environment	CLEAN	Pole	NO
FILTER		Hose	PORTABLE	Gal./Type	165A	Roof	NO
Valves	BOTTOM VALVE						

FIELD INSPECTION DATA

Date	P.O. No.	TEST		TRANSFORMER		Oil Level	Bush.	Paint	Leaks	Quality Factor	Recommen Service
		Temp.	Humidity	Press	Temp.						
4/79	RAK-51670	50°	50%	+1	23°	OK	ENCL	GOOD	NONE	GOOD	INSP. 4
4/3/80		60°	40%	+1/2	14°	OK			none		

LIQUID TEST DATA

Date	Color	Sludge	I.F.T.	S.R.	Neut #	Diel.	Specific Gravity	SSU	Quality Factor	Recommen Service
4/79	WW	TRACE			.010	47	1.417		GOOD	TEST 4/



ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

RECEIPT FOR SAMPLES AND DOCUMENTS

Form Approved
OMB No. 2070-0007
Approval expires 8-31-85

1. INVESTIGATION IDENTIFICATION			2. FIRM NAME
DATE 7/29/86	INSPECTOR NO. 4488	DAILY SEQ. NO. 1	New York Institute of Technology
3. INSPECTOR ADDRESS USEPA Region II, Raritan Dept Bldg. 209 Woodbridge, Ave Edison, NJ 08837			4. FIRM ADDRESS 268 Wheatley Road Old Westbury, NY 11568

The documents and samples of chemical substances and/or mixtures described below were collected in connection with the administration and enforcement of the Toxic Substances Control Act.

RECEIPT OF THE DOCUMENT(S) AND/OR SAMPLE(S) DESCRIBED IS HEREBY ACKNOWLEDGED:

NO.	DESCRIPTION
1	disposal records (19p) 10 oil transformers
2	transformer analyses (5p) (PCB)
3	transformer analyses (27p) other

OPTIONAL:

DUPLICATE OR SPLIT SAMPLES: REQUESTED AND PROVIDED ☐ NOT REQUESTED ☐

INSPECTOR SIGNATURE <i>Michael Bious</i>		RECIPIENT SIGNATURE <i>William J. Donaldson</i>	
NAME Michael Bious		NAME WILLIAM J. DONALDSON	
TITLE chemist	DATE SIGNED 7/29/86	TITLE Dir, B&C	DATE SIGNED



US ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

TSCA INSPECTION CONFIDENTIALITY NOTICE

Form Approved
OMB No. 2070-0007
Approval expires 8-31-85

1. INVESTIGATION IDENTIFICATION			2. FIRM NAME
DATE 7/29/86	INSPECTOR NO. 4488	DAILY SEQ. NO. 1	New York Institute of Technology
INSPECTOR NAME Michael Bious			4. FIRM ADDRESS
INSPECTOR ADDRESS USEPA Region II, Raritan Depot Bldg. 209 Woodbridge Ave. Edison, NJ 08837			208 Wheatley Rd. Old Westbury, NY 11568
			6. CHIEF EXECUTIVE OFFICER NAME MATTHEW SCHURE
			7. TITLE PRESIDENT

TO ASSERT A CONFIDENTIAL BUSINESS INFORMATION CLAIM

It is possible that EPA will receive public requests for release of the information obtained during inspection of the facility above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 USC 552; EPA regulations issued thereunder, 40 CFR Part 2; and the Toxic Substances Control Act (TSCA), Section 14. EPA is required to make inspection data available in response to FOIA requests unless the Administrator of the Agency determines that the data contain information entitled to confidential treatment or may be withheld from release under other exceptions of FOIA.

Any or all the information collected by EPA during the inspection may be claimed confidential if it relates to trade secrets or commercial or financial matters that you consider to be confidential business information. If you assert a CBI claim, EPA will disclose the information only to the extent, and by means of the procedures set forth in the regulations (cited above) governing EPA's treatment of confidential business information. Among other things, the regulations require that EPA notify you in advance of publicly disclosing any information you have claimed as confidential business information.

A confidential business information (CBI) claim may be asserted at any time. You may assert a CBI claim prior to, during, or after the information is collected. The declaration form was developed by the Agency to assist you in asserting a CBI claim. If it is more convenient for you to assert a CBI claim on your own stationery or by marking the individual documents or samples "TSCA confidential business information," it is not necessary for you to use this form. The inspector will be glad to answer any questions you may have regarding the Agency's CBI procedures.

While you may claim any collected information or sample as confidential business information, such claims are unlikely to be upheld if they are challenged unless the information meets the following criteria:

1. Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.

2. The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).
3. The information is not publicly available elsewhere.
4. Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time, you may make claims that some or all of the information is confidential business information.

If you are not authorized by your company to assert a CBI claim, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials to the Chief Executive Officer of your firm within 2 days of this date. The Chief Executive Officer must return a statement specifying any information which should receive confidential treatment.

The statement from the Chief Executive Officer should be addressed to:

and mailed by registered, return-receipt requested mail within 7 calendar days of receipt of this Notice. Claims may be made any time after the inspection, but inspection data will not be entered into the special security system for TSCA confidential business information until an official confidentiality claim is made. The data will be handled under the agency's routine security system unless and until a claim is made.

TO BE COMPLETED BY FACILITY OFFICIAL RECEIVING THIS NOTICE:

I have received and read the notice

SIGNATURE

William J. Donaldson

NAME

WILLIAM J. DONALDSON

TITLE

Dir. PR. G.

DATE SIGNED

7-29-86

NAME

TITLE

ADDRESS

If there is no one on the premises of the facility who is authorized to make business confidentiality claims for the firm, a copy of this Notice and other inspection materials will be sent to the company's chief executive officer. If there is another company official who should also receive this information, please designate below.



ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

Form Approved
OMB No. 2070-0007
Approval expires 8-31-85

NOTICE OF INSPECTION

1. INVESTIGATION IDENTIFICATION			2. TIME	3. FIRM NAME
DATE 7/29/86	INSPECTOR NO. 4488	DAILY SEQ. NO. 1	10:46	New York Institute of Technology
4. INSPECTOR ADDRESS Michael Bious USEPA Region II, Raritan Depot, Bldg Woodbridge Ave, 209 Edison, NJ 08837			5. FIRM ADDRESS 268 Whentley Road Old Westbury, NY 11568	

REASON FOR INSPECTION

Under the authority of Section 11 of the Toxic Substances Control Act:

- ☒ For the purpose of inspecting (including taking samples, photographs, statements, and other inspection activities) an establishment, facility, or other premises in which chemical substances or mixtures or articles containing same are manufactured, processed or stored, or held before or after their distribution in commerce (including records, files, papers, processes, controls, and facilities) and any conveyance being used to transport chemical substances, mixtures, or articles containing same in connection with their distribution in commerce (including records, files, papers, processes, controls, and facilities) bearing on whether the requirements of the Act applicable to the chemical substances, mixtures, or articles within or associated with such premises or conveyance have been complied with.

☐ In addition, this inspection extends to (Check appropriate blocks):

☐ A. Financial data

☐ D. Personnel data

☐ B. Sales data

☐ E. Research data

☐ C. Pricing data

The nature and extent of inspection of such data specified in A through E above is as follows:

INSPECTOR SIGNATURE Michael Bious		RECIPIENT SIGNATURE William J. Donaldson	
NAME Michael Bious		NAME William J. Donaldson	
TITLE Chemist	DATE SIGNED 7/29/86	TITLE Dir of B&C	DATE SIGNED 7-29-86

NEW YORK INSTITUTE OF TECHNOLOGY
Old Westbury, N.Y. 11568
(516) 686-7545

Buildings and Grounds Department


July 30, 1986

Mr. Donald Duane
U. S. Environmental Protection Agency
Region II
Toxic Substances Section
Edison, New Jersey 08837

Dear Mr. Duane:

Enclosed is the information you requested. If I can be of any further help, please advise.

Yours truly,


William J. Donaldson
Director
Buildings & Grounds

WJD:rm
Enclosures



Acts 4:12

DIVISION OF
ED Myers

TRANSFORMER
CONSULTANTS

P.O. Box 4724
Akron, Ohio 44310
Phone: (216) 929-2847
Toll Free: (800) 321-9580

February 24, 1986

New York Institute of Technology
Wheatley Rd.
Old Westbury NY 11568

ATTN: Bill Donaldson

RE: PO# Verbal

Gentlemen:

Here are the results on the transformer oils recently tested from your plant.

FURTHER WORK IS REQUIRED on some of these transformers.

Normal servicing of units that contain PCB's in excess of 50 PPM is restricted by Federal Law. We can, however, lower the PCB concentration to acceptable limits. If you wish to discuss the options available, please feel free to contact us.

A formal quotation will be forwarded per your request.

If you have any questions on this or any related matter, do not hesitate to contact us at 1-800-321-9580. In Ohio: (216) 929-2847.

Very truly yours,

John Sharnsky
Regional Sales Representative

Test No. 00271200
AB-24 Rev.
JS/vw

CUST. NEW YORK INSTITUTE TECH

CITY

OLD WESTBURY NY

ID # 00271200

DATE PRINTED 2/19/86

SUB. NAME SIMONSON HOUSE

UNIT #

PADMOUNT

OTHER

LOCATION

OUTDOOR/GROUND

NAMEPLATE DATA

MFG. WEST	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N 74M884082	IMPEDENCE	1.60%
KVA 150	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	120

ADDITIONAL EQUIPMENT

RADIATORS	NO	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	1.00 INCH	POWER V/A	
BOTTOM FPV	1.00 INCH	OTHER ACCESS	

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				NO

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82					.040 AC	33.8 AC	32 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC
2/06/86					.030 AC	34.8 AC	40 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG WEST

KVA

150

PRIMARY

13,200

SUB NAME SIMONSON HOUSE

UNIT PADMOUNT

S/N 74M884082

SECONDARY

208

ID # 00271200

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE	PER CENT	PER CENT
			PPM	MOISTURE/DRY WEIGHT	MOISTURE SATURATION

- * A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
- * DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
- * DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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- * A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
- * SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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- * THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
- * TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH

CITY OLD WESTBURY NY

ID # 00271200

DATE PRINTED 2/19/86

SUB. NAME SALTEN

UNIT # PADMOUNT

OTHER

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N RHB0077	IMPEDENCE	4.28%
KVA 500	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	156

ADDITIONAL EQUIPMENT

RADIATORS	YES	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	.50 INCH	POWER V/A	
BOTTOM FPV	.50 INCH	OTHER ACCESS	

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				ND

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82					.030 AC	34.5 AC	32 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC
2/06/86					.030 AC	35.5 AC	41 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST. NEW YORK INSTITUTE TECH

CITY OLD WESTBURY NY

ID # 00271200

DATE PRINTED 2/19/84

SUB. NAME GERRY HOUSE

UNIT # PADMOUNT

OTHER

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N RIG-0586	IMPEDENCE	4.56%
KVA 500	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	177

ADDITIONAL EQUIPMENT

RADIATORS	YES	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	1.00 INCH	POWER V/A	
BOTTOM FPV	1.00 INCH	OTHER ACCESS	TOP INSPECTION PLATE

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				ND

FIELD SERVICE

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82			43 C		.030 AC	34.9 AC	31 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC
2/06/86			20 C		.040 AC	35.0 AC	42 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

500

PRIMARY

13,200

SUB NAME SALTEN

UNIT PADMOUNT

ID # 00271200

S/N

RHB0077

SECONDARY

208

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
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* A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
* DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
* DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
------	---------	----------	------	------	--------	------	--------	-----	------------	---------

* A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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* THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
* TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

500

PRIMARY

13,200

SUB NAME GERRY HOUSE

ID # 0027120

S/N

RIG-0586

SECONDARY

208

UNIT PADMOUNT

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
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- * A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
- * DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
- * DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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- * A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
- * SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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- * THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
- * TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY
SUB. NAME STUDENT ACTIVITY CTR UNIT # PADMOUNT OTHER

ID # 00271200

DATE PRINTED 2/19/86

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N RJF 1191	IMPEDENCE	5.82%
KVA 500	PHASE/CYCLE	3/40
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	153

ADDITIONAL EQUIPMENT

RADIATORS	YES	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	1.00 INCH	POWER V/A	
BOTTOM FPV	1.00 INCH	OTHER ACCESS	TOP INSPECTION PLATE

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				ND

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82			32 C		.020 AC	35.2 AC	28 QU	0.75 AC	0.890 AC	CLEAR AC	NONE AC
2/06/86			20 C		.020 AC	35.2 AC	42 AC	1.50 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

500

PRIMARY

13,200

SUB NAME STUDENT ACTIVITY CTR

UNIT #ADHOUNT

ID # 00271200

S/N RJF 1191

SECONDARY

208

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE	PER CENT	PER CENT
			PPM	MOISTURE/ DRY WEIGHT	MOISTURE SATURATION

* A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE

* DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER

* DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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* A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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* THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL

* TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY
SUB. NAME LOCKER ROOM UNIT # PADMOUNT OTHER

ID # 00271200

DATE PRINTED 2/19/82

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N R60-0105	IMPEDENCE	2.78%
KVA 150	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	111

ADDITIONAL EQUIPMENT

RADIATORS	YES	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	.50 INCH	POWER V/A	
BOTTOM FPV		OTHER ACCESS	

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				NO

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82					.020 AC	34.4 AC	35 AC	0.50 AC	0.880 AC	CLEAR AC	NONE AC
2/06/86					.030 AC	34.0 AC	42 AC	1.00 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

150

PRIMARY

13,200

SUB NAME LOCKER ROOM

UNIT PADMOUNT

ID # 00271200

S/N R60-0105

SECONDARY

208

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE	PER CENT	PER CENT
			PPM	MOISTURE/DRY WEIGHT	MOISTURE SATURATION

* A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
* DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
* DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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* A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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* THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
* TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY
SUB. NAME NYCOM SUB UNIT # PADMOUNT OTHER

ID # 00271200

DATE PRINTED 2/19/86

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD EQUIP. TYPE TRANSFORMER
DATE MFG. TRANS CLASS
S/N RIG 0485 IMPEDENCE 4.53%
KVA 500 PHASE/CYCLE 3/60
PRI 13,200 LIQUID TYPE OIL
SEC 208 GAL LIQUID 177

ADDITIONAL EQUIPMENT

RADIATORS YES CONSERVATOR NO
FANS NO TAP CHANGER NO
H2O COOLED NO BUSHING LOC SIDE
OIL PUMPS NO RECLAIMER
TOP FPV 1.00 INCH POWER V/A
BOTTOM FPV 1.00 INCH OTHER ACCESS TOP INSPECTION PLATE

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE 1242 1254 1260 TOTAL
AROCLOR AROCLOR AROCLOR CONTENT
9/29/82 NO

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82			40 C		.030 AC	33.0 AC	39 AC	1.50 AC	0.890 AC	CLEAR AC	NONE AC
2/06/86			20 C		.030 AC	33.6 AC	42 AC	1.50 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

500

PRIMARY

13,200

SUB NAME NYCOM SUB

UNIT #ADHOUNT

ID # 00271200

S/N RIG 0485

SECONDARY

208

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE	PER CENT	PER CENT
			PPM	MOISTURE/ DRY WEIGHT	MOISTURE SATURATION

- * A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
- * DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
- * DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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- * A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
- * SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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- * THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
- * TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY
SUB. NAME FRENCH CHATEAU UNIT # PADMOUNT OTHER

ID # 00271200

DATE PRINTED 2/19/86

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N RGC 0106	IMPEDENCE	2.83%
KVA 150	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	111

ADDITIONAL EQUIPMENT

RADIATORS	YES	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	.50 INCH	POWER V/A	
BOTTOM FPV	.50 INCH	OTHER ACCESS	

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				ND

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82					.030 AC	33.7 AC	33 AC	0.50 AC	0.880 AC	CLEAR AC	NONE AC
2/06/86					.030 AC	33.9 AC	42 AC	0.75 AC	0.885 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

150

PRIMARY

13,200

SUB NAME FRENCH CHATEAU

UNIT PADMOUNT

10 # 00271200

S/N RCC 0106

SECONDARY

208

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
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* A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
* DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
* DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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* A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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* THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
* TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY
SUB. NAME ART CENTER UNIT # PADMOUNT OTHER

ID # 00271200 DATE PRINTED 2/19/86
LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N R6F 0232	IMPEDENCE	2.71%
KVA 300	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	106

ADDITIONAL EQUIPMENT

RADIATORS	YES	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	.50 INCH	POWER V/A	
BOTTOM FPV	.50 INCH	OTHER ACCESS	

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				NO

COLOR LABEL GREEN CLASS NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82					.020 AC	35.8 AC	41 AC	0.50 AC	0.880 AC	CLEAR AC	NONE AC
2/06/86					.030 AC	32.6 AC	49 AC	1.00 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

300

PRIMARY

13,200

SUB NAMEART CENTER

UNIT PADMOUNT

ID # 00271200

S/N R6F 0232

SECONDARY

200

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
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- * A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
- * DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL, PREFERRED OVER
- * DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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- * A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
- * SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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- * THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
- * TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH

CITY OLD WESTBURY NY

ID # 00271200

DATE PRINTED 2/19/82

SUB. NAME VIDEO CENTER

UNIT # PADMOUNT

OTHER

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD

EQUIP. TYPE

TRANSFORMER

DATE MFG.

TRANS CLASS

S/N RDL 1930

IMPEDENCE

4.85%

KVA 500

PHASE/CYCLE

3/60

PRI 13,200

LIQUID TYPE

OIL

SEC 208

GAL LIQUID

200

ADDITIONAL EQUIPMENT

RADIATORS

YES

CONSERVATOR NO

FANS

NO

TAP CHANGER NO

H2O COOLED

NO

BUSHING LOC SIDE

OIL PUMPS

NO

RECLAIMER

TOP FPV

1.00 INCH

POWER V/A

BOTTOM FPV

1.00 INCH

OTHER ACCESS

VISUAL INSPECTION

PAINT CONDITION

GOOD

LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
9/29/82				NO

COLOR LABEL

GREEN

CLASS

NON-PCB

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
9/00/82					.040 AC	31.9 QU	42 AC	0.75 AC	0.890 AC	CLEAR AC	NONE AC
2/06/86					.030 AC	33.2 AC	43 AC	0.75 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

KEY TO ABBREVIATIONS: AC — ACCEPTABLE QU — QUESTIONABLE UN — UNACCEPTABLE

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

500

PRIMARY

13,200

SUB NAME VIDEO CENTER

UNIT # ADMOUNT

ID # 00271200

S/N RDL 1930

SECONDARY

200

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
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- * A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
- * DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
- * DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
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- * A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
- * SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
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- * THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
- * TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY
SUB. NAME ADEDEMIC HEALTH CARE UNIT # CABINET

ID # 00271200

DATE PRINTED 2/19/86

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. BALTEAU STANDARD EQUIP. TYPE TRANSFORMER
DATE MFG. TRANS CLASS
S/N POE 0206 IMPEDENCE 5.58%
KVA 1,500 PHASE/CYCLE
PRI 13,200 LIQUID TYPE OIL
SEC 480 GAL LIQUID 327

ADDITIONAL EQUIPMENT

RADIATORS YES CONSERVATOR NO
FANS NO TAP CHANGER NO
H2O COOLED NO BUSHING LOC SIDE
OIL PUMPS NO RECLAIMER
TOP FPV .50 INCH POWER V/A
BOTTOM FPV 1.00 INCH OTHER ACCESS TOP INSPECTION PLATE

VISUAL INSPECTION

PAINT CONDITION FAIR LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE 1242 1254 1260 TOTAL
AROCLOR AROCLOR AROCLOR CONTENT

COLOR LABEL

CLASS

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
2/06/86		NORMAL	20 C		.020 AC	36.2 AC	43 AC	0.50 AC	0.885 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
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THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG BALTEAU STANDARD

KVA

1,500

PRIMARY

13,200

SUB NAME ADEMIC HEALTH CARE

UNIT CABINET

10 # 00271200

S/N POE 0206

SECONDARY

480

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
------	---------	-------------	-----------------	---------------------------------	---------------------------------

* A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE

* DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER

* DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
------	---------	----------	------	------	--------	------	--------	-----	------------	---------

* A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
------	---------	------	-------

* THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL

* TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY

ID # 00271200

DATE PRINTED 2/19/8

SUB. NAME SLUPTURE BARN

UNIT # CABINET

OTHER

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. WEST	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N 74M884052	IMPEDENCE	
KVA 150	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	150

ADDITIONAL EQUIPMENT

RADIATORS	YES	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	.50 INCH	POWER V/A	
BOTTOM FPV	.50 INCH	OTHER ACCESS	

VISUAL INSPECTION

PAINT CONDITION FAIR LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
-----------------	--------------	--------------	--------------	---------------

COLOR LABEL

CLASS

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
2/06/86					.040 AC	32.6 AC	49 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
------	---------	----------	--------	----------	---------	-----------------	----------------	--------	----------	-----------	-------------------	-----------

* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG WEST

S/N 74M884052

KVA

150

PRIMARY

13,200

SUB NAME SLUPTURE BARN

UNIT CABINET

ID # 00271200

SECONDARY

208

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
------	---------	-------------	-----------------	---------------------------------	---------------------------------

- * A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
- * DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
- * DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
------	---------	----------	------	------	--------	------	--------	-----	------------	---------

- * A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
- * SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
------	---------	------	-------

- * THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
- * TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH CITY OLD WESTBURY NY
SUB. NAME ARCHITECH (EDHALL) UNIT # CABINET OTHER

ID # 00271200

DATE PRINTED 2/19/86

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. DELTA STAR EQUIP. TYPE TRANSFORMER
DATE MFG. TRANS CLASS
S/N U690036 IMPEDENCE 5.70%
KVA 500 PHASE/CYCLE 3/60
PRI 13,200 LIQUID TYPE OIL
SEC 208 GAL LIQUID 222

ADDITIONAL EQUIPMENT

RADIATORS YES CONSERVATOR NO
FANS NO TAP CHANGER NO
H2O COOLED NO BUSHING LOC SIDE
OIL PUMPS NO RECLAIMER
TOP FPV 1.00 INCH POWER V/A
BOTTOM FPV 1.00 INCH OTHER ACCESS TOP INSPECTION PLATE

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF 1242 1254 1256 TOTAL
SERVICE AROCLOR AROCLOR AROCLOR CONTENT

COLOR LABEL

CLASS

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
2/06/86					.020 AC	37.6 AC	49 AC	0.50 AC	0.890 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
------	---------	----------	--------	----------	---------	-----------------	----------------	--------	----------	-----------	-------------------	-----------

* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG DELTA STAR

KVA

500

PRIMARY

19,200

SUB NAME ARCHITECH (EDHALL)

UNIT CABINET

S/N U690036

SECONDARY

208

ID # 00271200

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE PPM	PER CENT MOISTURE/DRY WEIGHT	PER CENT MOISTURE SATURATION
------	---------	-------------	--------------	------------------------------	------------------------------

- * A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE
- * DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER
- * DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM
------	---------	----------	------	------	--------	------	--------	-----	------------	---------

- * A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND
- * SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C
------	---------	------	-------

- * THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL
- * TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

CUST. NEW YORK INSTITUTE TECH
SUB. NAME DESEVERSKYCITY OLD WESTBURY NY
UNIT # CABINET
OTHER

ID # 00271200

DATE PRINTED - 2/19/86

LOCATION OUTDOOR/GROUND

NAMEPLATE DATA

MFG. STANDARD	EQUIP. TYPE	TRANSFORMER
DATE MFG.	TRANS CLASS	
S/N RBL 7185	IMPEDENCE	4.12%
KVA 75	PHASE/CYCLE	3/60
PRI 13,200	LIQUID TYPE	OIL
SEC 208	GAL LIQUID	93

ADDITIONAL EQUIPMENT

RADIATORS	NO	CONSERVATOR	NO
FANS	NO	TAP CHANGER	NO
H2O COOLED	NO	BUSHING LOC	SIDE
OIL PUMPS	NO	RECLAIMER	
TOP FPV	.50 INCH	POWER V/A	
BOTTOM FPV	.50 INCH	OTHER ACCESS	

VISUAL INSPECTION

PAINT CONDITION GOOD LEAKS NONE

FIELD SERVICE

PCB CONTENT / EXPRESSED IN PPM

DATE OF SERVICE	1242 AROCLOR	1254 AROCLOR	1260 AROCLOR	TOTAL CONTENT
-----------------	--------------	--------------	--------------	---------------

COLOR LABEL

CLASS

LIQUID SCREEN TEST DATA

DATE	SERVICE	LEVEL	TEMP	P/V	ACID	IFT	DIEL	COLOR	SP. GR.	VISUAL	SEDIMENT
2/06/86					.040	AC	33.0 AC	2.00 AC	0.880 AC	CLEAR AC	NONE AC

COMMENTS TRANSFORMER OIL TEST DATA ACCEPTABLE, HOWEVER STUDIES INDICATE OXIDATION BY-PRODUCTS TRAPPED IN INSULATION.

GAS-IN-OIL ANALYSIS / GAS CHROMATOGRAPHY EXPRESSED IN PPM

DATE	SERVICE	HYDROGEN	OXYGEN	NITROGEN	METHANE	CARBON MONOXIDE	CARBON DIOXIDE	ETHANE	ETHYLENE	ACETYLENE	TOTAL COMBUSTIBLE	TOTAL GAS
------	---------	----------	--------	----------	---------	-----------------	----------------	--------	----------	-----------	-------------------	-----------

* THIS TEST IS AN INVALUABLE TOOL USED TO EVALUATE THE OPERATION OF IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

CUST NEW YORK INSTITUTE TECH

MFG STANDARD

KVA

75

PRIMARY

13,200

SUB NAME DESEVERSKY

ID # 0027120

S/N RBL 7185

SECONDARY

208

UNIT CABINET

KARL FISCHER TESTING/MOISTURE CONTENT/EXPRESSED IN PPM

DATE	SERVICE	TEMPERATURE	MOISTURE	PER CENT	PER CENT
			PPM	MOISTURE/DRY WEIGHT	MOISTURE SATURATION

* A TOP OIL SAMPLE, TESTED FOR WATER IN PPM, GIVES AN EXCELLENT INDICATOR OF THE

* DEGREE OF SATURATION OF THE PAPER INSULATION AS WELL AS THE OIL. PREFERRED OVER

* DIELECTRIC TESTS.

ICP/METALS-IN-OIL/EXPRESSED IN PPM

DATE	SERVICE	ALUMINUM	IRON	ZINC	COPPER	LEAD	SILVER	TIN	MOLYBDENUM	CADMIUM

* A DISSOLVED METALS-IN-OIL TEST CAN BE MEANINGFUL IN EVALUATING IN-SERVICE AND

* SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS.

LIQUID POWER FACTOR

DATE	SERVICE	25 C	100 C

* THE POWER FACTOR OF THE OIL AT 25 AND 100 DEGREES CELSIUS IS A VERY MEANINGFUL

* TEST IN EVALUATING IN-SERVICE AND SERVICE-AGED TRANSFORMERS FOR MAX-LIFE RESULTS

NEW YORK INSTITUTE OF TECHNOLOGY

ELECTRONIC PURCHASE ORDER SYSTEM

(FILE COPY)

☐ Request: Req #

☒ Purchase Order: PO# 90555

Req # R0009137

Date 17-JUL-85

Page 1 of

ENTERED: Name SSHOUP

Dept 077

SHIP TO: Name WILLIAM J. DONALDSON

Dept B&G 036M /D.W.

VENDOR : Name TRANSFORMER SERVICE INC.

Street REGIONAL DR. POB 1077

City CONCORD

ST NH Zip 03301

ITEM	QUAN/PCK	DESCRIPTION	UNT/PRICE	TOTAL
	ACCOUNT	750306517722		
1	10	TESTING 10 TRANSFORMER UNITS - PCB ANALYSIS (WRITTEN TEST TO BE SUPPLIED W/SERIAL #'S FROM EACH UNIT W/INDIVIDUAL ANALYSIS & LABELING TAGS)	43.00	430.00
		SHIPPING: DONALDSON/P.O. # 90555 NYIT/B&G 25A NORTHERN BLVD. OLD WESTBURY, NY 11568		
			TOTAL	430.00



TRANSFORMER SERVICE, INC.

REGIONAL DR. • P.O. BOX 1077 • CONCORD, N.H. 03301-1077
(603) 224-4006

RECEIVED
SEP 06 1985

September 3, 1985

Ms. Roseann Varrichio
New York Institute of Technology
Buildings and Grounds
25A Northern Blvd.
Old Westbury, New York 11568

RE: PCB Analyses Results

Dear Ms. Varrichio:

The following are the results of the PCB Analyses performed on your nine samples that were received in our laboratory on July 18, 1985 and tested on August 26, 1985.

<u>Sample I.D.</u>	<u>PCB Concentration (PPM)</u>
70AJ2300 37.5 KVA	8
70AF15379 37.5 KVA	52
70AJ2294 37.5 KVA	9
68B16454 167 KVA	180
68B16460 167 KVA	140
68D9374 167 KVA	180
E720655 100 KVA	<1
E721577 100 KVA	<1
4954907 10 KVA	<1
E740608 Cancelled	0

New York Institute of Technology
September 3, 1985
Page 2

Based on the PCB tests performed on these samples, we are enclosing five blue "Non PCB" labels for you to affix to the units containing less than 50 PPM PCB and four green "PCB contaminated" labels for you to affix to the units containing between 50 and 499 PPM PCB.

Should you have any questions concerning these results, please do not hesitate to contact me at our office.

Thank you very much for giving us this opportunity to perform this testing for you.

Sincerely,

Raymond Dube

Raymond Dube
Sales Representative

(cc)

RD/dm1
Enclosures

TSI BULLETIN:

TRANSFORMER SERVICE, INC. PCB HANDLING

PCB DISPOSAL
TERMS AND CONDITIONS
BULLETIN # 401

This bulletin is designed to be attached to our disposal quotations and describes several important items that must be understood between TSI and its customers. Unless an exception is made in our quotation or Purchase Order Acknowledgement, the terms of this bulletin will be considered the basis for the completion of the quoted services.

GENERATORS' RESPONSIBILITY

State and Federal rules governing hazardous waste uniformly place responsibility on the generator to perform the following:

1. Properly identify all wastes.
2. Properly document all waste shipments (manifest).
3. Properly package, or arrange for proper packaging of wastes.
4. Proper labeling, or arrange for proper labeling of wastes.
This includes various generator state requirements in ADDITION to normal PCB, ORM-E and orientation labels.
5. Mark containers with the DATE this material became a waste.

TSI can assist with all the above, however, responsibility still rests with the generator.

CONTINGENT LIABILITY

TSI will take "TITLE" to PCB wastes when placed in TSI's custody and assume liability for the material to the extent allowed by law when the customer has properly identified the wastes and performed the generator responsibilities.

When dealing with TSI, the customer is protected by our experience, supervision, facilities and our high limit insurance coverages.

ONE YEAR RULE

Present rules require that PCB waste be properly destroyed as appropriate within one year from its removal from service, or its designation as "waste". PCB capacitors and transformers that fail become waste the day they fail. PCB spills become waste the day they occur.

It is the responsibility of the generator to keep accurate records on this timing. All PCB waste must be identified with the date it was generated.

It is important to move this material soon enough to allow it to be destroyed within the time requirements. Also, the generator should inform TSI of the time remaining in the one year period so that we can set priorities as necessary.

2/85

(Continued On Back Of Page)

Total Service: Electrical • Mechanical • Insulating Fluids • PCB Handling • Cleaning & Painting • Consulting
Transformer Service, Inc. Regional Office: PCB Disposal

In order to make PCB waste disposal economical, TSI collects less than truckload quantities from many sources and combines this material into truckload quantities for disposal. Since it is sometimes necessary to hold some material for several weeks awaiting the next shipment to a disposal facility, TSI suggests you consign waste to us with at least 180 days remaining in the one year period. The EPA requires a minimum of 90 days remaining in the one year period at the time the material is turned over to an end disposer. This allows ample time for destruction. TSI is a broker of disposal services and a storage facility only. We are NOT an end disposer!

TSI promises to make a reasonable effort to have PCB waste products in the hands of the end disposer(s) within 90 days of receipt of the material by TSI.

TSI has no control over the whims of mother nature or mechanical breakdowns at the end disposer to which we send PCB waste. Past experience has shown that material is seldom delayed once an end disposer agrees to accept shipment. TSI cannot make any guarantees beyond its handling of these materials.

PCB HANDLING

TSI transports, handles, stores and arranges for disposal of ALL PCB waste based on current Federal EPA, Federal DOT and State Rules governing PCBs in effect at the time services are provided.

A list of current permits and authorizations is available on request.

RIGGING

Provisions must be made by the customer to load PCB waste products onto vans, flatbed trailers, or tankers as appropriate. TSI can make such arrangements in special cases and ONLY by formal request. Such arrangements are included in our quotation and ONLY when specifically stated.

METHODS OF DISPOSAL

PCB and PCB Contaminated Liquids:

All liquid with a PCB residual of 50 PPM or more is shipped from TSI's facility by bulk tanker for incineration in a licensed high temperature incinerator for PCBs or are detoxified by a licensed and permitted procedure.

PCB Solids:

All material and containers received by TSI for disposal as PCB waste or last exposed to PCB liquids with a concentration of 500 PPM or more, are transported and buried in a secure chemical waste landfill licensed for PCBs or are detoxified by a licensed and permitted procedure.

Containers and transformers last exposed to liquid with PCB residuals between 50 and 500 PPM PCB are drained of liquid and scrapped as allowed by existing rules.

TRANSFORMER SERVICE, INC.

P.O. BOX 1077
CONCORD, NEW HAMPSHIRE 03301

INVOICE
DATE

INVC
NUM

RECEIVED

KRH
OCT 11 1985

09/03/85

PAGE 1

SOLD
NEW YORK INSTITUTE OF
TECHNOLOGY
OFFICE OF CONTROLLER
OLD WESTBURY NY 11568

SHIP
NEW YORK INSTITUTE OF
TECHNOLOGY
354 HORTHURST BOULEVARD
OLD WESTBURY NY

B&B

CUST. NO.	CUSTOMER PURCHASE ORDER NO.	SHIPPED VIA	SHIP DATE	TERMS	SALESMAN	JOB ORD
3457	750306517922/036M			NET 30	13	

POD - ANALYSIS IN P.P.H.

SAMPLES DELIVERED TO FBI LABORATORY BY
RAYMOND DUME

TESTED 8/28/85

SALES & USE TAX EXEMPTION #131476
PLEASE SEND A COPY OF THIS CERTIFICATE
HASSARD COUNTY

APPROVED	
NOT APPROVED	
REASON FOR NON-APPROVAL	

FINAL

M. Rosalicio
OCT 11 1985

A SERVICE CHARGE OF 1% PER MONTH, WHICH IS AN
ANNUAL PERCENTAGE RATE OF 12%, WILL BE ADDED TO THIS
INVOICE IF NOT PAID WITHIN 30 DAYS OF INVOICE DATE

SUB TOTAL	141.30
SALES TAX	
HANDLING	

PLEASE SHOW OUR INVOICE NO. ON YOUR CHECK
REMIT TO:
TRANSFORMER SERVICE, INC.
P.O. BOX 1077
CONCORD, N.H. 03301

THANK YOU FOR YOUR ORDER

ORIGINAL

NEW YORK INSTITUTE OF TECHNOLOGY

PURCHASE ORDER REQUISITION R 10741

Date Issued 9/23/85 Date Wanted _____ P. O. No. 42326

To: Name of Company Transformer Service Inc

Address Regional Dr. PO Box 1077
Concord, NH 03301-1077

For: Department 750306517722 / 0324

Item No.	Quantity	Description	Price
	1	Pick up, transportation + disposal of 10 small transformers, the oil they contain + six single phase cutouts - Serial #s + PCB levels are listed below ↓ # NYD 981 138 480 Waste Generator # ↓ Refer to PO # 90555 Price Quote by Raymond Sube #9999 Technical ^{Engineering} Testing by Richard Denge All transformers are tagged +	\$ 6185.00

Requested by RJ ready for pick up. Approved by _____

Department Chairman _____ Date of Approval _____

✓ EPA waste disposal # will be supplied
at time of pick up

NEW YORK INSTITUTE OF TECHNOLOGY

ELECTRONIC PURCHASE ORDER SYSTEM

(FILE COPY)

☐ Request: Req #☒ Purchase Order: PO# 92326

Req # R0010741

Date 10-OCT-85

Page 1 of 1

ENTERED: Name JFURST

Dept 077

SHIP TO: Name WILLIAM J. DONALDSON

Dept B&G(032M)/O.W.

VENDOR : Name TRANSFORMER SERVICE INC.

Street REGIONAL DR. P.O.BOX 1077

City CONCORD

ST NH Zip 03301

ITEM	QUAN/PCK	DESCRIPTION	UNT/PRICE	TOTAL
1	1	ACCOUNT 750306517722 PICK UP, TRANSPORTATION AND DISPOSAL OF 10 SMALL TRANSFORMERS, THE OIL THEY CONTAIN AND SIX SINGLE PHASE CUTOUTS. SERIAL #'S & PCB LEVELS LISTED BELOW: SAMPLE I.D. PCB CONCENTRATION (PPM) 70AJ2300 / 37.5 KVA 8 70AF15379 / 37.5 KVA 52 70AJ2294 / 37.5 KVA 9 68B16454 / 167 KVA 180 68B16460 / 167 KVA 140 68D9374 / 167 KVA 180 E720655 / 100 KVA <1 E721577 / 100 KVA <1 4954907 / 10 KVA <1 E740608 0 *REFER TO P.O. 90555 *PRICE QUOTE BY RAYMOND DUBE #9999 *TECHNICAL ANALYSIS BY RICHARD GEORGE *ALL TRANSFORMERS ARE TAGGED & READY FOR PICK-UP *EPA WASTE DISPOSAL # WILL BE SUPPLIED @ TIME OF PICK-UP PICK UP ADDRESS: WM. DONALDSON/P.O.#92326 NYIT/ BLDG. & GROUNDS 25A NORTHERN BLVD. OLD WESTBURY, NY 11568	6185.	6,185.00
			TOTAL	6,185.00

9/23

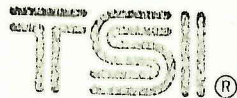
EPA

212 - 264 - 9881

Adolf Bowman

Laura Livingston ✓

EPA - Waste Generator #



TRANSFORMER SERVICE, INC.

REGIONAL DR. • P.O. BOX 1077 • CONCORD, N.H. 03301-1077
(603) 224-4006

SEP 06

September 3, 1985

Ms. Roseann Varrichio
New York Institute of Technology
Buildings and Grounds
25A Northern Blvd.
Old Westbury, New York 11568

RE: PCB Analyses Results

Dear Ms. Varrichio:

The following are the results of the PCB Analyses performed on your nine samples that were received in our laboratory on July 18, 1985 and tested on August 26, 1985.

<u>Sample I.D.</u>	<u>PCB Concentration (PPM)</u>
70AJ2300 37.5 KVA	8
70AF15379 37.5 KVA	52
70AJ2294 37.5 KVA	9
68B16454 167 KVA	180
68B16460 167 KVA	140
68D93714 167 KVA	180
E720655 100 KVA	<1
E721577 100 KVA	<1
4954907 10 KVA	<1
E740608 Good to go	0

Based on the PCB tests performed on these samples, we are enclosing five blue "Non PCB" labels for you to affix to the units containing less than 50 PPM PCB and four green "PCB contaminated" labels for you to affix to the units containing between 50 and 499 PPM PCB.

Should you have any questions concerning these results, please do not hesitate to contact me at our office.

Thank you very much for giving us this opportunity to perform this testing for you.

Sincerely,

Raymond Dube

Raymond Dube (RD)
Sales Representative

RD/dm1
Enclosures

PRINT

TERMINAL COPY

PO # R0010633 Request 091985

DEPT: 077 091985

Name : WILLIAM J. DONALDSON Addr: B&B(032M)

Vendor # TRANSFORMER SERVICE, INC.

P.O. BOX 1077 CONCORD

Quan/pck Description NH 03301

ACCOUNT 750306517722 Unit/Price total

1	TRANSPORTATION AND DISPOSAL OF TEN SMALL TRANS- FORMERS, THE OIL THEY CONTAIN AND SIX SINGLE PHASE CUTOUTS AS PER YOUR QUOTE DATED 9/5/85.	6185.	6,185.00
---	--	-------	----------

DISPLAY>

*Cancelled
9/19/85 Michelle 2:50 PM*

MISS WHITE



TRANSFORMER SERVICE, INC.

REGIONAL DR. • P.O. BOX 1077 • CONCORD, N.H. 03301-1077
(603) 224-4006

RECEIVED
SEP 18 1985

R 10633

September 5, 1985

Ms. Roseann Varrichio
New York Institute of Technology
Buildings and Grounds
25A Northern Blvd.
Old Westbury, NY 11568

RE: TSI Quotation No. 9999

Dear Ms. Varrichio:

TSI is pleased to quote the transportation and disposal of ten small transformers, the oil they contain and six single phase cutouts. Serial Numbers and PCB levels of the transformers were sent to you on September 3, 1985.

Our price for this service is \$6,185.00, assuming you provide the necessary services to load these items onto our vehicle.

Please refer to our PCB Disposal Terms and Conditions Bulletin No. 401 attached.

The technical aspects of this quotation were prepared by Mr. Richard George, Manager of Special Projects and Engineering Support.

I will be in contact with you shortly to discuss this quotation. In the meantime, should you have any questions, please do not hesitate to contact me at our office.

Thank you very much for giving us this opportunity to be of service.

Sincerely,

Raymond Dube

Raymond Dube
Sales Representative

(dl)

RD/dm1
Attachments